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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/988,617	11/20/2001	Sumio Nishiyama	107156-00080	8798

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EXAMINER	
YANG, RYAN R	
ART UNIT	**PAPER NUMBER**
2628	

DATE MAILED: 04/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/988,617	NISHIYAMA, SUMIO	
	Examiner	Art Unit	
	Ryan R. Yang	2672	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *21 November 2005* .

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *2,4,5,7 and 9-14* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *2,4,5,7 and 9-14* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____ .

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) *12/13/05* .
4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other:

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/21/2005 has been entered.

2. This action is responsive to communications: Response, filed on 11/21/2005. This action is non-final.

3. Claims 2, 4-5, 7 and 9-14 are pending in this application. Claims 12-14 are independent claims. In the amendment filed 11/21/2005, claims 2, 4-5, 7, 9-10 and 12-14 were amended.

4. This application claims foreign priority dated11/28/2000.

5. The present title of the invention is "Method and system for displaying images" as filed originally.

Claim Rejections - 35 USC § 102

6. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

7. Claims 9-14, 2, 4-5 and 7 rejected under 35 U.S.C. 102(b) as being anticipated by Goto et al. (5,434,591).

As per claim 12, Goto et al., hereinafter Goto, discloses a method of displaying a vector-mode image in which a plurality of points designated on a screen are linked to display the required image, comprising the steps of:

classifying vector data, indicating a plurality of points for displaying the image, into a first group of data and a second group of data, the first group of data has a number of the plurality of points, the number of plurality of points included in the first group of data is substantially equal to a minimum number of the plurality of points required to recognize the image, and the second group of data comprising supplementary points for supplementing the first group of data to display a more precise image ("Figure 7(a) shows an example in which only the house information is emphatically indicated, while FIG. 7(b) shows an example in which all the pattern information items are ordinarily indicated" and "the processor 3 brings the partial pattern information into the emphatic indication during the scrolling operation", column 5, line 54-63, where emphatic indication is considered a first group of data and is substantially equal to a minimum number of the points required to recognize the image and the ordinary indication minus emphatic indication is considered supplemental indication);

storing the vector data on a storage member (Figure 3, item 5); and

selecting between displaying the image represented only by the first group of data and displaying the image represented by a combination of the first and second groups of data, when the image is displayed (Figure 2 shows a scrolling example ... For a displayed picture 131 produced before the scrolling is initiated, all pattern

information items are displayed using ordinary indication. However, pattern information items are indicated with house information emphasized ... during the scrolling operation", column 5, line 64- column 6, line 4).

wherein the image is represented only by the first group of data when being scrolled on a screen (where only emphatic indication is displayed during scrolling).

8. As per claim 13, Goto discloses a system of displaying an image in which a plurality of points designated on a screen are linked to display the required vector image, comprising:

a data storage member for classifying vector data, indicating a plurality of points for representing the image, into a first data group and a second data group, the first data group has a number of the plurality of points, the number of plurality of points included in the first data group is substantially equal to a minimum number of the plurality of points required to recognize the image, and the second data group comprising supplementary points for supplementing the first data group to represent the more precise image, and the data storage member storing the vector data (Figure 6 frame memory, item 51, 52 and 53, where 51 is the first data group and 52-53 are the second data group); and

an image quality selection member for selecting between reading the first data group from said data storage member for displaying the image and reading the first and second data groups from said data storage member for displaying the image (Figure 6, item 3 and 9, where 9 is the selection circuit and 3 provides the selection);

wherein said image quality selection member selects the image display represented only by the first data group when the image is scrolled on a screen ("During the scrolling ... the house information and the owner information are omitted from the pictures, and the only the road information is indicated", column 5, line 21-26, where the road information is the first data group).

9. As per claim 14, Goto discloses a system of displaying an image in which a plurality of points designated on a screen are linked to display the required vector image, comprising:

a data storage member for classifying vector data, indicating a plurality of points for representing the image, into a first data group, a number of the plurality of points for representing the image included in the first data group is a constant number of points, and a second data group comprising supplementary points for supplementing the first data group to represent the more precise image, and for storing the vector data (Figure 6, where data are classified into 51, 52 and 53, where 51 is the first data group which has a constant number of points and 52-53 are second group of data); and

an image quality selection member for selecting between reading the first data group from said data storage member for displaying the image and reading a combination of the first and second data groups from said data storage member for displaying the image (Figure 6, item 3 and 9, where 9 is the selection circuit and 3 provides the selection);

wherein said image quality selection member selects the image display represented only by the first data group when the image is scrolled on a screen, such

that when the image is scrolled on the screen, a number of the plurality of points representing the image remains constant throughout the scrolling of the image on the screen ("During the scrolling ... the house information and the owner information are omitted from the pictures, and the only the road information is indicated", column 5, line 21-26, where the road information a constant data points).

10. As per claim 2, Goto demonstrated all the elements as applied to the rejection of independent claim 12, supra, and further discloses the second group of data is classified into a plurality of data groups for supplementing the first group of data in stages for storage on the storage member, and a selection among the classified plural data groups indicating the supplementary points is made in stages for supplementing the first group of data in stages to display the image (Figure 6 where the supplemental data is classified into group 52 and 53, they are stored in a frame memory 5 and is selectable (9 and 3) to supplement first group of data 51).

11. As per claim 4, Goto demonstrated all the elements as applied to the rejection of independent claim 12, supra, and further discloses selection between displaying the image represented by the first group of data and displaying the image represented by the combination of the first and second groups of data is made in accordance with the amount of data of the image ("a processor 3 equivalent to the processor in Fig. 3 receives information indicating the scrolling direction and the scrolling speed from the input unit 8, and it calculates the amount of pattern data to-be-scrolled on the basis of the scrolling speed by means of the arithmetic unit 32. In general, the calculation is carried out such that, as the scrolling speed increases, the amount of pattern data to-

be-scrolled decreases. In conformity with that amount of pattern data to-be-scrolled which has been determined here, a unit 31 determines the frame memory readout masking required, as described before, and supplies the frame memory masking information 33 to the frame memory readout masking device 9 shown in Fig. 6", column 6, line 21-34, since the amount of data group displayed is determined by the scrolling speed).

12. As per claim 5, Goto demonstrated all the elements as applied to the rejection of independent claim 12, supra, and further discloses selection between displaying the image represented only by the first group of data and displaying the image represented by the combination of the first and second groups of data is made in accordance with data memory capacity required for displaying the image (Figure 6, where readout masking device 9 represents the data memory capacity to display the image).

13. As per claim 7, Goto demonstrated all the elements as applied to the rejection of independent claim 13, supra, and further discloses said data storage member classifies the second data group, indicating the supplementary points, into a plurality of data groups for supplementing the first data group in stages and stores the second data group, and in the displaying of the image said image quality selection member selects among the classified plural data groups indicating the supplementary points in stages to supplement the first data group in stages (Figure 6, where item 5 is a frame memory, 51 is the image generated by the first data group and 52-53 are images generated by the second data group and read out mask 9 and processor 3 perform the selection).

14. As per claim 9, Goto demonstrated all the elements as applied to the rejection of independent claim 13, supra, and further discloses said image quality selection member makes, in accordance with the amount of image data, the selection between displaying the image represented only by the first data group and displaying the image represented by a combination of the first and second data groups (Figure 6, item 3 and 9, where 9 is the selection circuit and 3 provides the selection).

15. As per claim 10, Goto demonstrated all the elements as applied to the rejection of independent claim 13, supra, and further discloses said image quality selection member makes, in accordance with data memory capacity required for displaying the image, the selection between displaying the image represented only by the first data group and displaying the image represented by the combination of the first and second data groups (Figure 6, item 3 and 9, where 9 is the selection circuit and 3 provides the selection).

16. As per claim 11, Goto demonstrated all the elements as applied to the rejection of independent claim 13, supra, and further discloses said data storage member is provided in a server providing image data through a computer network (Figure 3, item 11).

Claim Rejections - 35 USC § 112

17. The following is a quotation of the first paragraph of 35 U.S.C. 112:

> The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

18. Claims 12 and 13 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. It is not clear what constitutes the data that is substantially equal to a minimum number of the plurality of points required to recognize the image.

Response to Arguments

19. Applicant's arguments filed 11/21/2005 have been fully considered but they are not persuasive.

Applicant alleges Goto does not teach displaying a minimum number of points required to recognize the image during scrolling. In reply, Examiner considers the example in Figure 6, the first group of data in 51 is considered the minimum required data. As for what constitute a minimum number of data, it is subjective to interpretation. Examiner considers the data in 51 is minimum number of data required to recognize the image; the image is data 51-53 combined.

Applicant also alleges what Goto eliminates is data type which is not the minimum number of points required to recognize the image. Examiner considers the claim limitation does not exclude using data type to represent an image and it is not clear why data type cannot be used for recognizing an image.

Conclusion

18. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ryan R. Yang whose telephone number is (571) 272-7666. The examiner can normally be reached on M-F 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Razavi can be reached on (571) 272-7664. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ryan Yang
Primary Examiner
March 30, 2006